| Index ( | of Claims |
|---------|-----------|
|         |           |

| Application No. | Applicant(s)    |     |
|-----------------|-----------------|-----|
| 10/635,131      | <br>SANTANAM ET | AL. |
| Examiner        | Art Unit        |     |

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| 11 | Allowed  | ÷ | ĺ |

Claim

Original

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  | A | Appeal   |
|---|--------------|---|----------|
| ı | Interference | o | Objected |

|                    | Date    |          |          |          |          | ]          | Claim Date |       |          |          |          |          |          |          | Cla      | aim      | Date     |          |       |          |          |          |        |          |              |              |                 |          |                 |
|--------------------|---------|----------|----------|----------|----------|------------|------------|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------|----------|----------|----------|--------|----------|--------------|--------------|-----------------|----------|-----------------|
|                    | Γ       | T        |          |          | _        |            |            |       | <u></u>  |          |          |          |          |          |          |          |          |          |       |          |          |          | Т      |          |              |              |                 |          |                 |
|                    |         |          |          | ŀ        | l        |            |            | Final | Original |          |          | -        |          |          |          |          |          |          |       | Final    | Original |          | 1      |          |              |              |                 |          |                 |
|                    |         |          |          |          |          |            | 1          | 证。    | Ĕ,       |          | ı        |          |          |          |          |          |          |          |       | 這        | Ĕ        |          |        |          |              |              |                 |          |                 |
|                    |         |          |          |          |          |            |            |       |          |          |          |          |          |          |          |          |          |          |       |          |          |          |        |          | 1            |              |                 |          |                 |
|                    |         |          |          |          |          |            | ]          |       | 51       |          | П        |          |          |          |          |          |          |          |       |          | 101      |          | T      | 1        |              |              |                 |          |                 |
|                    | $\perp$ |          |          |          |          |            | ]          |       | 52       |          | П        |          |          |          |          |          |          |          |       |          | 102      |          | 1      |          |              |              |                 |          |                 |
|                    |         |          |          |          |          |            | ] .        |       | 53       | П        | П        |          |          |          |          |          |          |          |       |          | 103      |          | $\top$ | $\top$   | Т            |              |                 |          |                 |
|                    |         | П        |          |          |          |            | ] ,        |       | 54       |          |          |          |          |          |          |          |          |          |       |          | 104      |          | Τ      | 1        |              |              |                 |          |                 |
|                    | Τ       | Ţ        |          |          |          |            | ]          |       | 55       |          | T        |          |          |          |          |          |          |          |       |          | 105      |          |        | 1        | T            |              |                 |          |                 |
|                    |         |          |          |          |          | Т          |            |       | 56       |          | ヿ        | T        |          |          |          |          |          |          |       |          | 106      | 1        | T      | $\top$   | _            |              |                 |          |                 |
|                    | Ī       | П        |          |          |          |            |            |       | 57       |          | ヿ        | T        |          |          |          |          |          |          |       |          | 107      |          | ✝      | $\top$   | 1            |              |                 |          |                 |
|                    |         | T        |          |          |          |            |            |       | 58       |          | T        |          |          |          |          |          |          |          | î     | -        | 108      |          | $\top$ | Τ        | Г            |              | T               |          | П               |
|                    |         | Ī        |          |          |          | Π          |            |       | 59       |          |          |          |          |          |          |          |          |          |       |          | 109      |          | Τ      | $\top$   |              |              | Г               |          |                 |
|                    |         | T        |          |          |          | Т          |            |       | 60       |          | ヿ        |          |          |          |          |          |          |          |       |          | 110      |          | 1      | $\top$   |              | Г            |                 |          |                 |
|                    | T       | ╗        |          |          |          |            |            |       | 61       |          | ┪        |          |          |          |          |          |          |          |       |          | 111      |          | T      | +        | T            |              |                 |          |                 |
|                    |         | Ī        |          |          |          |            |            |       | 62       |          | $\neg$   | T        |          |          |          |          |          | $\Box$   | 1     |          | 112      | $\dashv$ | $\top$ | T        | T            | T            |                 |          | П               |
|                    |         | Ī        |          |          |          | T          |            |       | 63       |          |          |          |          |          |          |          |          |          | - 1   |          | 113      | $\dashv$ | 1      | T        |              |              |                 |          |                 |
|                    |         | T        |          |          |          | Τ          |            |       | 64       |          | $\dashv$ | ヿ        |          |          |          |          |          |          |       |          | 114      |          | 1      | $\top$   | 1            |              |                 |          |                 |
|                    | T       | T        |          |          |          | T          |            |       | 65       |          | T        |          |          |          |          |          |          |          |       |          | 115      |          | 1      | $\vdash$ | t            |              |                 | _        |                 |
|                    | Ť       | T        |          |          | Г        | T          | 1          |       | 66       | $\Box$   | 一        |          |          |          |          |          |          |          |       |          | 116      | $\vdash$ | $\top$ | 1        | T            | T            |                 |          | Н               |
|                    |         | T        |          |          |          | İ          |            |       | 67       |          | 寸        | _        |          |          |          |          |          |          | 9     |          | 117      | $\vdash$ | +      | +        | T            | Н            |                 |          | Н               |
|                    | T       | T        |          |          | <u> </u> | T          |            |       | 68       |          | T        | T        |          |          |          |          |          |          | 5-1   |          | 118      | $\dashv$ | $\top$ | T        | T            | $\vdash$     | $\vdash$        |          | Н               |
|                    | 1       | T        |          |          | ı        | T          |            |       | 69       |          | _        |          | _        |          |          |          |          |          | - 1   |          | 119      | $\dashv$ | +      | ╁        | 一            | $\vdash$     | $\vdash$        |          |                 |
|                    | 7       | 7        |          |          |          | t          |            |       | 70       |          | 十        | _        |          |          |          |          |          |          | 1     |          | 120      | _        | +      | +-       | $\vdash$     | H            | $\vdash$        |          | -               |
|                    | T       | 7        |          |          |          | İ          |            |       | 71       | $\vdash$ | 寸        | 寸        |          | _        |          |          |          |          | 4     |          | 121      | $\dashv$ | ╅      | +        | H            | $\vdash$     | $\vdash$        |          |                 |
|                    | _       | 7        |          |          |          | T          |            |       | 72       |          | .        | $\dashv$ |          |          |          |          |          |          |       |          | 122      | $\dashv$ | +      | +        | 1            | $\vdash$     | $\vdash$        |          |                 |
|                    | $\top$  | ┪        |          |          | $\vdash$ | 1          |            |       | 73       |          | 寸        | _        |          |          |          | _        | Н        | $\dashv$ |       |          | 123      | +        | +      | ╁╴       | +            | $\vdash$     | $\vdash$        | -        | Н               |
|                    | ✝       | +        |          |          | $\vdash$ | t          |            |       | 74       | $\vdash$ | $\dashv$ | $\dashv$ | $\neg$   |          |          |          |          |          |       |          | 124      | $\dashv$ | +      | +        | $\vdash$     | ┝            | -               | $\vdash$ | Н               |
|                    | 1       | 7        |          |          | ı        | † <i>–</i> | i          |       | 75       | $\dashv$ | 1        | T        | $\neg$   | -        |          |          |          | _        |       |          | 125      |          | ╁      | +        | <u> </u>     | ┢            | -               |          | $\vdash$        |
|                    | $\top$  | 7        |          |          | _        | 1          | i          |       | 76       | _        | 1        | 1        | _        |          | $\neg$   | _        |          | $\neg$   |       |          | 126      | +        | ╅      | +        |              | -            | $\vdash$        |          | Н               |
|                    | 十       | 7        |          |          |          | 1          | 1          |       | 77       | T        | +        | ᅥ        | -        |          |          |          |          | -        |       |          | 127      |          | +      | +        | ╁            | -            | $\vdash$        | -        | Н               |
| $\vdash$           | ╅       | 7        |          |          |          | 1          | 1          |       | 78       |          | $\dashv$ | -        | _        |          | $\dashv$ |          | $\dashv$ |          | - "   |          | 128      | _        | +      | +        | -            | -            | $\vdash$        |          | $\vdash$        |
| $\vdash$           | 十       | 1        |          |          | -        | +          | 1          |       | 79       |          | +        | $\dashv$ |          |          |          |          | $\dashv$ | $\dashv$ |       |          | 129      | +        | +      | +-       | -            | _            | $\vdash$        | -        | $\vdash$        |
|                    | +       | 7        |          |          | <u> </u> | +-         |            |       | 80       |          | 十        | 1        |          |          |          | -        | $\dashv$ | $\dashv$ |       |          | 130      | +        | +      | +-       | _            | $\vdash$     | $\vdash$        | -        | Н               |
|                    | +       | +        |          |          |          | +-         | 1          |       | 81       |          | +        | -        | -        |          | $\neg$   | _        | $\dashv$ | $\dashv$ |       |          | 131      | +        | +      | +        | -            | $\vdash$     |                 |          | $\vdash$        |
|                    | ╅       | 7        | $\neg$   |          | $\vdash$ | $\vdash$   | 1          |       | 82       |          | Ŧ        | Ŧ        |          |          |          |          | $\dashv$ | ᅥ        | - 2 * |          | 132      | $\dashv$ | ╁      | ╁        | ┢            | -            | -               | _        | Н               |
| $\vdash$           | +       | +        | _        |          | $\vdash$ | t          | 1          |       | 83       | $\dashv$ | $\dashv$ | -        | =        | $\vdash$ | $\vdash$ |          |          | $\dashv$ |       | _        | 133      | +        | +-     | +        | $\vdash$     |              | -               |          | H               |
| $\vdash$           | +       | $\dashv$ | -        |          | $\vdash$ | 1          |            |       | 84       | +        | $\dashv$ | +        |          |          | $\dashv$ |          | -        | $\dashv$ |       |          | 134      | $\dashv$ | +      | +        | -            | ┢            | -               | $\vdash$ | Н               |
| -                  | +       | $\dashv$ | =        |          | $\vdash$ | +          | 1 ,        |       | 85       | $\dashv$ | +        | $\dashv$ | -        | $\vdash$ | $\vdash$ |          |          | $\dashv$ |       |          | 135      | +        | +-     | ╁╌       | $\vdash$     | $\vdash$     |                 | -        | $\vdash \vdash$ |
| -+                 | +       | $\dashv$ | -        |          | -        | +          | 1          |       | 86       | $\dashv$ | -        | $\dashv$ | -        | $\vdash$ | $\dashv$ | -        | -        | -        |       |          | 136      | +        | +      | +        | <del> </del> | $\vdash$     | $\vdash$        |          | $\dashv$        |
| $\overline{\cdot}$ | +       | $\dashv$ | $\dashv$ |          | -        | +          | 1          |       | 87       | -        | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ | -        |          | $\dashv$ |       |          | 137      | +        | +      | ╁        | ┼            | $\vdash$     | $\vdash$        | -        | Н               |
| +                  | +       | +        | -        | -        | -        | $\vdash$   | 1          |       | 88       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | Н        |          |          | $\dashv$ |          | ( 1   |          | 138      |          | +-     | +        | $\vdash$     |              | H               |          | $\vdash$        |
| $\vdash$           | +       | +        | -        | -        | -        | $\vdash$   | 1 1        |       | 89       | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ | -        |          | $\dashv$ |          |       |          | 139      | +-       | +      | +        | $\vdash$     | $\vdash$     | Н               | -        | $\dashv$        |
|                    | ╁       | +        |          | $\neg$   | -        | ╁          | 1          |       | 90       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | _        |          |          | $\dashv$ |       |          | 140      | $\dashv$ | +      | ┿        | ├            | ⊢            | Н               |          |                 |
| $\vdash \vdash$    | +       | +        | $\dashv$ |          | $\vdash$ | $\vdash$   | 1 1        |       | 91       | $\dashv$ | $\dashv$ | -        | $\dashv$ |          | -        | $\dashv$ | $\dashv$ | $\dashv$ | 1.1   |          | 141      | +-       | +-     | +        | ┢            | <del> </del> | $\vdash \vdash$ | -        | $\vdash$        |
| +                  | +       | +        | -        | -        | -        | $\vdash$   | 1          |       | 92       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        |          | -        |          |       |          | 142      | +-       | +      | +        | $\vdash$     | $\vdash$     | Н               | -        | $\dashv$        |
|                    | +       | +        | -        | $\neg$   |          | ╁          | H          |       | 93       | -        | $\dashv$ | $\dashv$ | $\dashv$ |          | -        |          | $\dashv$ | $\dashv$ |       |          | 143      | -        | ╁      | ╁        | ┢╌           | <u> </u>     |                 | _        | $\dashv$        |
| +                  | +       | +        | $\dashv$ |          | -        | $\vdash$   |            |       | 94       | +        | +        | $\dashv$ |          | $\vdash$ | -        | -        |          | $\dashv$ | 1     |          | 144      | +        | ╁      | +        | ₩            | -            | $\vdash$        | $\vdash$ | $\dashv$        |
| +                  | +       | $\dashv$ | -        |          | _        | $\vdash$   |            |       | 95       | +        | $\dashv$ | +        |          | $\vdash$ |          | -        | -        | ᅱ        |       |          | 145      | +        | +      | +        | $\vdash$     |              | $\vdash$        |          | $\dashv$        |
|                    | +       | ╅        | $\dashv$ | -        | -        | ├-         |            |       | 96       | +        | $\dashv$ | -        |          | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | ŀ     |          | 146      |          | +      | +        | -            | $\vdash$     | $\vdash$        | $\vdash$ |                 |
| +                  | +       | +        | -        |          |          | $\vdash$   |            |       | 97       | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ | -        | -        |          | $\dashv$ | -     |          | 147      | +        | +-     | +-       | H            | Н            | Н               | -        | $\dashv$        |
| +                  | +       | +        |          | -        | -        | $\vdash$   | 1.         |       | 98       | +        | $\dashv$ | $\dashv$ | -        | $\dashv$ |          | -        |          | $\dashv$ |       |          | 147      | -+-      | +-     | +        | $\vdash$     | $\vdash$     | $\vdash$        | -        | $\dashv$        |
| +                  | +       | +        | -        | -        |          | 1          |            |       | 99       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ |          | -        |       |          |          | -+-      | +-     | +        | $\vdash$     | $\vdash$     | $\vdash\dashv$  | _        | $\dashv$        |
| +                  | +       | +        | -        | $\dashv$ | _        | -          | { }        |       | 100      | +        | +        | $\dashv$ | -        |          | -        |          |          |          | }     | $\dashv$ | 149      |          | +      | ╁        | -            |              | $\vdash$        |          | -               |
|                    | 1       |          |          |          |          | L          | J          |       | 100      | $\perp$  |          |          |          |          |          |          |          |          | l     |          | 150      |          |        | 1        |              | لــــا       |                 |          |                 |

Thomas N Moulis